

Title (en)

RAW MATERIAL FOR FORMING THIN FILM, METHOD FOR PRODUCING THIN FILM, AND SCANDIUM COMPOUND

Title (de)

ROHMATERIAL ZUR FORMUNG EINER DÜNNSCHICHT, VERFAHREN ZUR HERSTELLUNG EINER DÜNNSCHICHT UND SCANDIUMVERBINDUNG

Title (fr)

MATIÈRE PREMIÈRE PERMETTANT LA FORMATION D'UN FILM MINCE, PROCÉDÉ DE PRODUCTION D'UN FILM MINCE ET COMPOSÉ DE SCANDIUM

Publication

EP 3951006 A1 20220209 (EN)

Application

EP 20784999 A 20200327

Priority

- JP 2019071820 A 20190404
- JP 2020014047 W 20200327

Abstract (en)

The present invention provides a thin-film forming raw material including a scandium compound represented by the following general formula (1), a method of producing a thin-film including using the thin-film forming raw material, and a novel scandium compound: where R^{1} represents an alkyl group having 1 to 4 carbon atoms, R^{2} represents an alkyl group having 2 or 3 carbon atoms, and R^{3} represents a hydrogen atom or an alkyl group having 1 to 4 carbon atoms.

IPC 8 full level

C23C 16/18 (2006.01); **C07C 49/92** (2006.01); **C07F 5/00** (2006.01); **C23C 16/40** (2006.01); **H01L 21/31** (2006.01); **H01L 21/316** (2006.01)

CPC (source: EP KR US)

C07C 45/77 (2013.01 - EP); **C07C 49/92** (2013.01 - EP); **C07F 5/00** (2013.01 - KR US); **C23C 16/18** (2013.01 - KR US); **C23C 16/40** (2013.01 - EP KR); **C23C 16/45553** (2013.01 - EP KR); **H01L 21/02192** (2013.01 - EP); **H01L 21/0228** (2013.01 - EP)

C-Set (source: EP)

C07C 45/77 + **C07C 49/92**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3951006 A1 20220209; **EP 3951006 A4 20230111**; JP 7573514 B2 20241025; JP WO2020203783 A1 20201008; KR 20210149732 A 20211209; TW 202104237 A 20210201; TW I824133 B 20231201; US 2022213592 A1 20220707; WO 2020203783 A1 20201008

DOCDB simple family (application)

EP 20784999 A 20200327; JP 2020014047 W 20200327; JP 2021512008 A 20200327; KR 20217032561 A 20200327; TW 109111163 A 20200401; US 202017600886 A 20200327